

# EUROPEAN PATENT OFFICE

## Pat nt Abstracts of Japan

PUBLICATION NUMBER : 57082151  
PUBLICATION DATE : 22-05-82

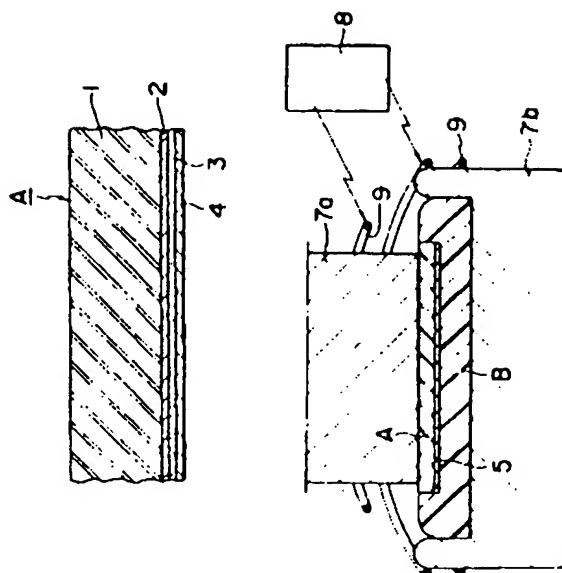
APPLICATION DATE : 08-11-80  
APPLICATION NUMBER : 55156477

APPLICANT : YOSHIDA KOGYO KK <YKK>;

INVENTOR : WATANABE TAKAMASA;

INT.CL. : C03C 27/00 // B29C 27/04 B29C 27/10  
B32B 7/12

TITLE : BONDING METHOD OF MIRROR



ABSTRACT : PURPOSE: To carry out the bonding operation easily, accurately and in a short time, by placing a metallic thin film forming the rear side surface of a mirror on an adherend with a heat-sensitive adhesive inserted therebetween, supplying a high-frequency induction current thereto, and melting the adhesive under heating.

CONSTITUTION: A heat-sensitive adhesive 5 is previously applied to a thermosetting film 4 on the rear side of a mirror (A) and integrated by drying. The mirror (A) is then inserted in a recess of a lid (B) and placed between a pair of jigs (7a) and (7b), and then pressed lightly by the upper jig (7a). A coil 9 of a high-frequency generating apparatus 8 is wound around the outer periphery of the held mirror (A) and lid (B), and the high-frequency generating apparatus 8 is then driven to supply a high-frequency current to the coil 9. A high-frequency current is generated to heat a silver film 2 and a copper plating film 3 of the mirror (A), and heat is transmitted through the thermosetting film 4 to melt the heat-sensitive adhesive 5 and bond the mirror (A) to the lid (B) by the pressing force applied by the jigs (7a) and (7b) in a very short time.

COPYRIGHT: (C) JPO